

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Previously presented): A system to structure and manage a configuration of an industrial product, taking into account selected options, comprising:

means for describing a set of technical objects, each technical object either representing a product function or describing an implementation method for the product function, the set of technical objects representing manufacturing options of the industrial product;

means for storing and updating a definition of each technical object and of its inter-relations with other of the technical objects in the product configuration, said definition comprising an expression of rules and constraints; and

means for data input and means for interactively and dynamically using said means for storing and updating during said configuration of the product.

Claim 2 (Original): A system according to claim 1, wherein each technical object represents either a function of an aircraft or describes an implementation method of the aircraft function to create an aircraft configuration.

Claim 3 (Previously presented): A system according to claim 1, wherein the means for processing comprises:

a knowledge management module;

a contract management module;

an administration module; and

a mass management module.

Claim 4 (Original): A system according to claim 3,  
wherein the knowledge management module is configured to manage technical objects each representing an aircraft function,  
wherein the contract management module is configured to manage fleet configurations of aircraft;  
wherein the administration module is configured to manage user profiles, and  
wherein the mass management module is configured to manage mass of a customized configuration from data supplied from the contract management module.

Claim 5 (Original): A system according to claim 1, wherein the industrial product is considered as a set of functions in a functional approach.

Claim 6 (Original): A system according to claim 3, wherein the contract management module works in a connected or disconnected mode.

Claim 7 (Previously presented): A system according to claim 1, wherein a technical object oriented configuration is used in which the product functions and corresponding implementation methods are selected directly in a list sorted by at least one of ATA chapter, job category, or sales policy, the selection being made either individually or globally using a global procedure that joins a possible application and a weight to a set of options in a same functional domain.

Claim 8 (Previously presented): A system according to claim 1, wherein a functional oriented configuration is used that supplies a functional approach to directly select technical objects, specifying required properties of a functional characteristic.

Claim 9 (Previously presented): A system according to claim 3, wherein the means for describing allows a contract manager to start a configuration checking process at any time.

Claim 10 (Original): A system according to claim 1, wherein the industrial product is an aircraft.

Claim 11 (Previously presented): A system to structure and manage a configuration of an industrial product, taking into account selected options, comprising:

a processor configured to describe a set of technical objects, each technical object either representing a product function or describing an implementation method for the product function, the set of technical objects representing manufacturing options of the industrial product;

a database to store and update a definition of each technical object and of its inter-relations with other of the technical objects in the product configuration, said definition comprising an expression of rules and constraints; and

a data input and display for interactively and dynamically using said database during said configuration of the product.

Claim 12 (Original): A system according to claim 11, wherein each technical object represents either a function of an aircraft or describes an implementation method of the aircraft function to create an aircraft configuration.

Claim 13 (Original): A system according to claim 11, wherein the processor comprises:

a knowledge management module;  
a contract management module;  
an administration module; and  
a mass management module;  
all working on the database.

Claim 14 (Original): A system according to claim 13,  
wherein the knowledge management module is configured to manage technical  
objects each representing an aircraft function,  
wherein the contract management module is configured to manage fleet  
configurations of aircraft;  
wherein the administration module is configured to manage user profiles, and  
wherein the mass management module is configured to manage mass of a customized  
configuration from data supplied from the contract management module.

Claim 15 (Original): A system according to claim 11, wherein the industrial product  
is considered as a set of functions in a functional approach.

Claim 16 (Original): A system according to claim 13, wherein the contract  
management module works in a connected or disconnected mode.

Claim 17 (Previously presented): A system according to claim 11, wherein a  
technical object oriented configuration is used in which the product functions and  
corresponding implementation methods are selected directly in a list sorted by at least one of  
ATA chapter, job category, or sales policy, the selection being made either individually or

globally using a global procedure that joins a possible application and a weight to a set of options in a same functional domain.

Claim 18 (Previously presented): A system according to claim 11, wherein a functional oriented configuration is used that supplies a functional approach to directly select technical objects, specifying required properties of a functional characteristic.

Claim 19 (Previously presented): A system according to claim 13, wherein the processor allows a contract manager to start a configuration checking process at any time.

Claim 20 (Original): A system according to claim 11, wherein the industrial product is an aircraft.

Claim 21 (Previously presented): A system according to claim 11, further comprising a knowledge management module.

Claim 22 (Previously presented): A system according to claim 21, wherein the knowledge management module is configured to manage technical objects each representing an aircraft function.

Claim 23 (Previously presented): A system according to claim 11, further comprising a contract management module.

Claim 24 (Previously presented): A system according to claim 23, wherein the contract management module is configured to manage fleet configurations of aircraft.

Claim 25 (Previously presented): A system according to claim 11, further comprising an administration module.

Claim 26 (Previously presented): A system according to claim 25, wherein the administration module is configured to manage user profiles.

Claim 27 (Previously presented): A system according to claim 11, further comprising a mass management module.

Claim 28 (Previously presented): A system according to claim 27, wherein the mass management module is configured to manage mass of a customized configuration from data supplied from a contract management module.

Claim 29 (New): A system to structure and manage a fleet of vehicles, comprising:  
means for describing a plurality of sets of technical objects, each of said sets representing manufacturing options for a vehicle in said fleet, and each technical object either representing a vehicle function or describing an implementation method for making a vehicle configuration; and

means for updating, for each of said sets, a definition of each technical object and its inter-relations with other technical objects in that set, said definition being stored in a dynamic database and comprising an expression of rules and constraints.

Claim 30 (New): The system of claim 29, wherein said fleet comprises aircrafts.

Claim 31 (New): The system of claim 29, wherein said fleet comprises helicopters.

Claim 32 (New): The system of claim 29, wherein said fleet comprises automobiles.

Claim 33 (New): The system of claim 30, wherein the functions or implementation methods corresponding to the vehicles are selected individually or globally from a list of ATA chapter, job category, or sales policy.

Claim 34 (New): The system of claim 29, further comprising:  
means for updating said fleet by adding or removing a vehicle; and  
means for managing a plurality of fleets and updating the plurality of fleets when a vehicle is transferred from one fleet to another fleet.

Claim 35 (New): The system of claim 14, wherein the contract management module is further configured to update said fleet configurations by adding or removing an aircraft.